B11 cont.

multilayer coating.

30. (New) The light source of Claim 29 wherein the filament comprises a sintered metal powder.

31. (New) The light source of Claim 29 wherein the filament comprises a metal selected from the group consisting of tungsten, tantalum, rhenium, niobium, zirconium and mixtures thereof.

32. (New) The light source of Claim 29 wherein the filament comprises a nonmetal.

33. (New) The light source of Claim 29 wherein the filament comprises a metal carbide selected from the group consisting of tantalum carbide, rhenium carbide, niobium carbide, zirconium carbide, and mixtures thereof.

34. (New) The light source of Claim 29 wherein said filament is coated with a coating material which has a higher melt temperature than the filament.

35. (New) The light source of Claim 34 wherein the coating material on said filament is selected from the group consisting of tantalum carbide, rhenium carbide, niobium carbide, zirconium carbide, and mixtures thereof.

36. (New) The light source of Claim 29 wherein the flat section of said filament comprises a strip with two longitudinal sides.

37. (New) The light source of Claim 36 wherein two surface elements project from each of the respective longitudinal sides of the strip in the form of wings.

38. (New) The light source of Claim 37 wherein each of

B11 cont. the surface elements projects from the strip at an angle of about 90°.

39. (New) The light source of Claim 29 wherein the flat section of the filament is substantially planar.

40. (New) The light source of Claim 29 wherein the flat section of the filament is in the form of at least a portion of a cylindrical jacket.

41. (New) The light source of Claim 40 wherein the at least a portion of a cylindrical jacket includes a lengthwise extending opening.

42. (New) The light source of Claim 40 wherein the at least a portion of a cylindrical jacket defines a diameter which is only slightly smaller than a diameter defined by the bulb.

43. (New) The light source of Claim 40 wherein the bulb defines a longitudinal axis, with the filament being configured to define a coaxial center axis.

44. (New) The light source of Claim 29 wherein the heating device comprises a pair of electrical contacts coupled to the filament for delivering an electrical current to the filament.

45. (New) The light source of Claim 29 wherein the dielectric multilayer coating is spectrally selective so as to substantially reflect the heat radiation of the filament while substantially transmitting the visible light thereof.

46. (New) The light source of Claim 45 wherein the flat section of the filament is of inverted U-shaped configuration to define two longitudinal sides which are almost back to back

Bl 1 conc.

and which are integrally coupled at upper ends thereof, and wherein the heating device includes a pair of electrical contacts joined to respective ones of the longitudinal sides adjacent the opposite ends thereof.

47. (New) The light source of Claim 46 wherein the two longitudinal sides are each in the form of a U-shaped channel section.